

Product datasheet for RC205911L4

OriGene Technologies, Inc.

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Glypican 3 (GPC3) (NM_004484) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Glypican 3 (GPC3) (NM_004484) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Glypican 3

Synonyms: DGSX; GTR2-2; MXR7; OCI-5; SDYS; SGB; SGBS; SGBS1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

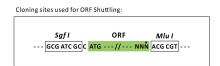
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205911).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_004484

ORF Size: 1740 bp





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OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 004484.2</u>

 RefSeq Size:
 2382 bp

 RefSeq ORF:
 1743 bp

 Locus ID:
 2719

 UniProt ID:
 P51654

Cytogenetics: Xq26.2

Domains: Glypican

Protein Families: Druggable Genome

MW: 65.62 kDa

Gene Summary: Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein

core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Sep 2009]